

## SEQUENCE LISTING

<110> Takaiwa, Fumio  
Takagi, Hidenori

<120> METHOD OF ACCUMULATING ALLERGEN-SPECIFIC T CELL ANTIGEN  
DETERMINANT IN PLANT AND PLANT HAVING THE ANTIGEN  
DETERMINANT ACCUMULATED THEREIN

<130> 201487/1160

<140>

<141>

<150> JP 2003-120639

<151> 2003-04-24

<150> PCT/JP04/005938

<151> 2004-04-23

<160> 11

<170> PatentIn Ver. 2.1

<210> 1

<211> 96

<212> PRT

<213> Homo sapiens

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Gly Ile Ile Ala Ala Tyr Gln Asn Pro Ala Ser Trp Lys Ser Met Lys  
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Val Thr Val Ala Phe Asn Gln Phe Gly Pro Asp Ile Phe Ala Ser Lys  
20 25 30

Asn Phe His Leu Gln Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser  
35 40 45

Cys Leu Asn Tyr Gly Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro  
50 55 60

Ser Gly Lys Tyr Glu Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe  
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Asn Val Glu Gln Phe Ala Lys Leu Thr Gly Phe Thr Leu Met Gly Arg  
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<210> 2

<211> 192

<212> PRT

<213> Homo sapiens

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Gly Ile Ile Ala Ala Tyr Gln Asn Pro Ala Ser Trp Lys Ser Met Lys  
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Val Thr Val Ala Phe Asn Gln Phe Gly Pro Asp Ile Phe Ala Ser Lys  
20 25 30

Asn Phe His Leu Gln Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser  
35 40 45

Cys Leu Asn Tyr Gly Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro  
50 55 60

Ser Gly Lys Tyr Glu Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe  
65 70 75 80

Asn Val Glu Gln Phe Ala Lys Leu Thr Gly Phe Thr Leu Met Gly Arg  
85 90 95

Gly Ile Ile Ala Ala Tyr Gln Asn Pro Ala Ser Trp Lys Ser Met Lys  
100 105 110

Val Thr Val Ala Phe Asn Gln Phe Gly Pro Asp Ile Phe Ala Ser Lys  
115 120 125

Asn Phe His Leu Gln Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser  
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Cys Leu Asn Tyr Gly Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro  
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Asn Val Glu Gln Phe Ala Lys Leu Thr Gly Phe Thr Leu Met Gly Arg  
180 185 190

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<212> PRT  
<213> Oryza sativaL. cv Manngetsumochi

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<213> Oryza sativaL. cv Manngetsumochi

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Leu Leu Cys Asp Gly Ser Leu Ala  
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<210> 5  
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<213> Oryza sativaL. cv Manngetsumochi

<400> 5  
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<211> 3350  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Artificially

constructed DNA sequence

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<222> (2333) .. (2713)

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aaagaaggta cactttacct acacaacgcc actaacctga gttaccagc ccatgcaaaa 180  
tagccacgtc ttgtgactta agggatttcg cgacaaggca tttcgaaagc ccacacaagg 240  
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agt tcc ggt ttc tct cgg ttt tct ata tac ttt tgt gtt ctt cta tta 2386  
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 Cys His Gly Ser Met Ala Gln Pro Met Gly Ile Ile Ala Ala Tyr Gln  
 20 25 30  
 aat cca gca agc tgg aag agt atg aag gtt aca gtt gca ttc aac caa 2482

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Phe	Gly	Pro	Asp	Ile	Phe	Ala	Ser	Lys	Asn	Phe	His	Leu	Gln	Lys	Asn	
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Lys	Leu	Thr	Ser	Gly	Lys	Ile	Ala	Ser	Cys	Leu	Asn	Tyr	Gly	Leu	Val	
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aac	atc	tac	act	aag	aag	gaa	gca	ttc	aac	gta	gag	caa	ttt	gca	aag	2674
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ctc	aca	ggc	ttc	act	ctc	atg	gga	cgc	aag	gac	gag	ttg	aagagctctg			2723
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<210> 7

<211> 127

<212> PRT

<213> Artificial Sequence

<223> Description of Artificial Sequence: Artificially  
constructed DNA sequence

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Met Ala Ser Ser Gly Phe Ser Arg Phe Ser Ile Tyr Phe Cys Val Leu  
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Leu Leu Cys His Gly Ser Met Ala Gln Pro Met Gly Ile Ile Ala Ala  
20 25 30

Tyr Gln Asn Pro Ala Ser Trp Lys Ser Met Lys Val Thr Val Ala Phe  
35 40 45

Asn Gln Phe Gly Pro Asp Ile Phe Ala Ser Lys Asn Phe His Leu Gln  
50 55 60

Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser Cys Leu Asn Tyr Gly  
65 70 75 80

Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro Ser Gly Lys Tyr Glu  
85 90 95

Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe Asn Val Glu Gln Phe  
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Ala Lys Leu Thr Gly Phe Thr Leu Met Gly Arg Lys Asp Glu Leu  
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<210> 8

<211> 127

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Protein  
encoded by artificially constructed DNA sequence

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Met Ala Ser Ser Gly Phe Ser Arg Phe Ser Ile Tyr Phe Cys Val Leu  
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Leu Leu Cys His Gly Ser Met Ala Gln Pro Met Gly Ile Ile Ala Ala  
20 25 30

Tyr Gln Asn Pro Ala Ser Trp Lys Ser Met Lys Val Thr Val Ala Phe  
35 40 45

Asn Gln Phe Gly Pro Asp Ile Phe Ala Ser Lys Asn Phe His Leu Gln  
50 55 60

Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser Cys Leu Asn Tyr Gly  
65 70 75 80

Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro Ser Gly Lys Tyr Glu  
85 90 95

Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe Asn Val Glu Gln Phe  
100 105 110

Ala Lys Leu Thr Gly Phe Thr Leu Met Gly Arg Lys Asp Glu Leu  
115 120 125

<210> 9

<211> 1474

<212> DNA

<213> Oryza sativa

<400> 9

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atgggttcca acacagcgga ttgatgccg atggcacgta actggggcgc ccaatggcac 180  
tactggcct acctcaccgg tcaaggtcta tcctttaggg tcaccaacac agatgaccaa 240  
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<211> 824

<212> DNA

<213> *Oryza sativa*

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<210> 11

<211> 931

<212> DNA

<213> *Oryza sativa*

<400> 11

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ataagagttc tctagcatcc atcacatagc c 931